

WHAT IS CLAIMED IS:

1. A suspend packet transmitter comprising:

a device status checking unit for checking whether or not
5 a device connected with a communication network fulfills
suspend and resume function;

a judging unit for judging, with reference to data in said
device status checking unit, whether or not a device without
suspend and resume function exists in a domain set in suspend
10 state by means of inputted suspend device number and port
number; and

a packet transmitting unit for transmitting a suspend
packet with said inputted suspend device number and port number
when all devices are judged as devices with suspend and resume
15 function in said judging unit.

2. The suspend packet transmitter according to claim 1,
wherein when the inputted port number of the inputted suspend
device number corresponds to an output port for relaying the
suspend packet, the suspend packet is outputted even if there
20 is included in a domain to be suspended a device other than a
device with suspend and resume function.

3. The suspend packet transmitter according to claim 1 or 2,
wherein said device status checking unit checks whether or not
each device is in active, wherein said judging unit judges
25 whether or not any active device exists in the domain set in
suspend state, and wherein said packet transmitting unit stops

to transmit a suspend packet when it is judged that an active device exists in the domain.

4. The suspend packet transmitter according to claim 1, 2 or 3, wherein when it is judged at said judging unit that a device
5 other than a device with suspend and resume function exists in the domain, it is informed that there is included the device other than the device with suspend and resume function exists in the domain.

5. The suspend packet transmitter according to claim 3,
10 wherein when it is judged at said judging unit that an active device exists in the domain, it is informed that there is the active device being in the domain.

6. The suspend packet transmitter according to claim 1, 2, 3, 4 or 5, wherein said device with suspend and resume function
15 fulfills IEEE1394a-2000 standard.